

Application No. 10/765,252
Paper Dated: November 23, 2009
In Reply to USPTO Correspondence of July 23, 2009
PPG Case No. 1908A1
Attorney Docket No. 3948-035031

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

Claim 1 (Currently Amended): A trimeric unsymmetrical polyurethane polyol comprising the reaction product of:

- a) a diisocyanate;
- b) a linear aliphatic diol having 1-6 carbon atoms; and
- c) a linear polymeric diol having at least one oxycarbonyl linkage and

having from 5-20 carbon atoms,

wherein the trimeric polyurethane polyol is represented by the formula:

x moles aliphatic diol: 1 mole diisocyanate: y moles polymeric diol, where $x+y=2$, and

wherein the polyurethane polyol ~~has~~ consists of hydroxyl termination.

Claim 2 (Previously Presented): A polyurethane polyol as in claim 1, wherein the diisocyanate is selected from the group consisting of 2,2,4-trimethylhexamethylene diisocyanate, 1,6-hexamethylene diisocyanate, 1,1'-methylene-bis-(4-isocyanatocyclohexane), 4,4'-methylene-bis-(cyclohexyl diisocyanate), hydrogenated toluene diisocyanate, 4,4'-isopropylidene-bis-(cyclohexyl isocyanate), 1,4-cyclohexyl diisocyanate, 4,4'-dicyclohexyl diisocyanate, and 3-isocyanato methyl-3,5,5-trimethylcyclohexyl diisocyanate, and mixtures and combinations thereof.

Claim 3 (Previously Presented): A polyurethane polyol as in claim 1, wherein the diisocyanate is aliphatic.

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Claim 4 (Previously Presented): A polyurethane polyol as in claim 1, wherein the aliphatic diol is selected from the group consisting of 1,2-propanediol, ethyl-1,3-hexanediol, 1,6-hexanediol, 2-methyl propanediol, and 1,5-pentanediol, and mixtures and combinations thereof.

Claim 5 (Previously Presented): A polyurethane polyol as in claim 1, wherein the aliphatic diol includes an odd number of carbon atoms.

Claim 6 (Previously Presented): A polyurethane polyol as in claim 1, wherein the polymeric diol is selected from the group consisting of polycarbonate diols and polycaprolactone diols, and mixtures thereof.

Claim 7 (Previously Presented): A polyurethane polyol as in claim 1, wherein the diisocyanate is 2,2,4-trimethylhexamethylene diisocyanate, wherein the aliphatic diol is 1,5-pentanediol, and wherein the polymeric diol is polyoxohexylene carbonate diol.

Claim 8 (Previously Presented): A polyurethane polyol as in claim 1, wherein the ratio of the diisocyanate:aliphatic diol:polymeric diol is from about 1: 1.9:0.1 to about 1:1.1:0.9

Claim 9 (Previously Presented): A polyurethane polyol as in claim 1, wherein the reaction product comprises a low viscosity, non-crystalline substantially 100 percent solids material.

Claims 10-23 (Cancelled).